

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
22 January 2004 (22.01.2004)

PCT

(10) International Publication Number  
WO 2004/008404 A1

(51) International Patent Classification<sup>7</sup>: G08B 5/00

GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:  
PCT/US2003/014239

(22) International Filing Date: 6 May 2003 (06.05.2003)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:  
60/395,440 12 July 2002 (12.07.2002) US

(84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).

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Declaration under Rule 4.17:  
— of inventorship (Rule 4.17(iv)) for US only

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Published:  
— with international search report  
— before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

(81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH,

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.

(54) Title: MODIFIED-QWERTY LETTER LAYOUT FOR RAPID DATA ENTRY

Row 1	Q	E	T	U	O
Row 2	W	R	Y	I	P
Row 3	A	D	G	J	L
Row 4	S	F	H	K	
Row 5	Z	C	B	M	
Row 6	X	V	N		

(57) Abstract: A data entry pad arrangement includes twenty-six letters of the Roman alphabet arranged in a matrix including six rows of three to six letters per row. Ideally, no two adjacent letters in a row of the matrix are in alphabetical order. A method for designing a data-entry interface layout including letters of the Roman alphabet thereon involves the transposition of the letters of the Roman alphabet on a three-row QWERTY keyboard into six rows, wherein a letter (optimally every other letter) within a first, second, or third row of said three-row QWERTY keyboard is placed in an additional row substantially below an adjacent letter of said first, second, or third row.

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## INTERNATIONAL SEARCH REPORT

International application No.

PCT/US03/14239

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC(7) : G08B 5/00

US CL : 400/472, 486, 489; 341/22

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

U.S. : 400/472, 486, 489; 341/22

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)  
JPO**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,626,428 A (MIWA) 06 May 1997 (06.05.1997), Figures 1, 2, 6-9, columns 3-4.	1-5, 7-13
Y		6, 14-19
X	US 5,973,607 A (MUNYON) 26 October 1999 (26.10.1999), Figures 1, 2, 9. Abstract.	1-3, 7-11, 13
X	US 4,615,629 A (POWER) 07 October 1986 (07.10.1986) Figures 1, 2. Abstract	1-3, 7-11, 13
Y	US 6,009,338 A (IWATA ET AL) 28 December 1999 (28.12.1999) Figures 12, 33, 45, column 28, lines 61-67 and column 2, lines 1-6.	6, 14-19
A	US 5,487,616 A (ICHBIAH) 30 January 1996 (30.01.1996), Figures 1A, 1B, 3	1-19



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Date of the actual completion of the international search

29 October 2003 (29.10.2003)

Date of mailing of the international search report

20 NOV 2003

Name and mailing address of the ISA/US

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